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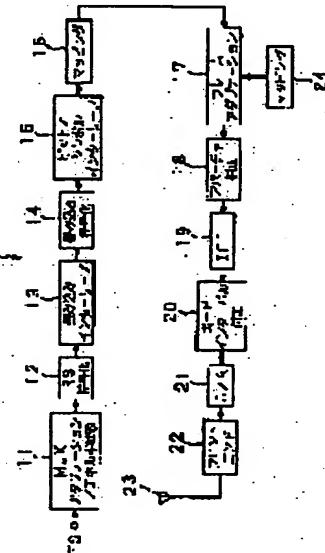
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## (54) ORTHOGONAL FREQUENCY DIVISION MULTIPLEX MODULATOR

### (57) Abstract:

**PROBLEM TO BE SOLVED:** To simply prevent video, audio data and information related to them from being received by a third party when wirelessly transmitting the video, audio data and the information related to them according to the OFDM modulation system.

**SOLUTION:** A wireless relay system 1 comprises a wireless camera 11 and a reception relay station 12. The wireless camera 11 wirelessly transmits the data to the reception relay station 12 according to the OFDM modulation system. The wireless camera 11 and the reception relay station 12 apply energy diffusion processing to a transport stream in the case of applying transmission channel coding/decoding to the transport stream. A value (initial value) of a PRBS(Pseudo Random numBer Sequence) used for the energy diffusion processing can be changed externally and a user optionally sets the value.



### LEGAL STATUS

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